

## Branch Circuit Sizing and Wire Size Guide

### Single Phase Wiring

Total Water Heater Wattage	Recommended Over Current Protection Copper (fuse or circuit breaker amperage rating)		Wire Size AWG Based on N.E.C. Table 310-16 (75°C)	
	120V	240V	120V	240V
2,000	20	----	12	----
3,000	----	20	----	12
3,800	----	20	----	12
4,500	----	25	----	10

**⚠ DANGER:** Elements should only be replaced with an element of the same power rating that was factory installed, and corresponds to the rating label on the unit.

**NOTICE:** This guide recommends minimum branch circuit sizing and wire size based on National Electric Code. Refer to wiring diagrams in this manual for field wiring connections.

## Wiring Diagrams

